

## ABSTRACT

A mandrel-assisted resin transfer molding process and apparatus therefor provides a generally continuous, narrow annular channel between the perimeter of an inner male mold element and an outer female mold element. This channel allows air, heat and vapor to evenly escape and resin to outflow from the mold cavity everywhere around the edge of the part being molded. A very thin resin band forms in the channel is easily trimmed away, leaving the article completely finished on both sides and having a well defined edge that does not require shaping.